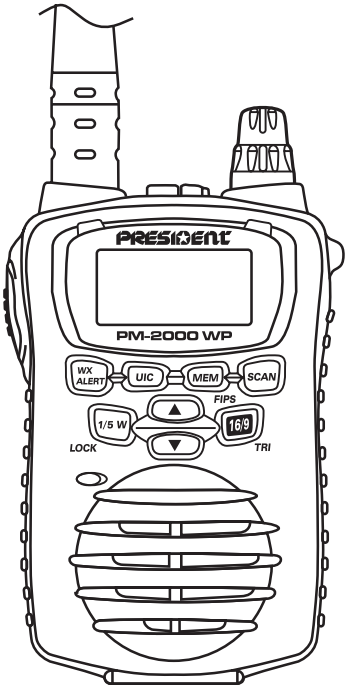
PRESIDENT

PM-2000 WP



OWNER'S MANUAL

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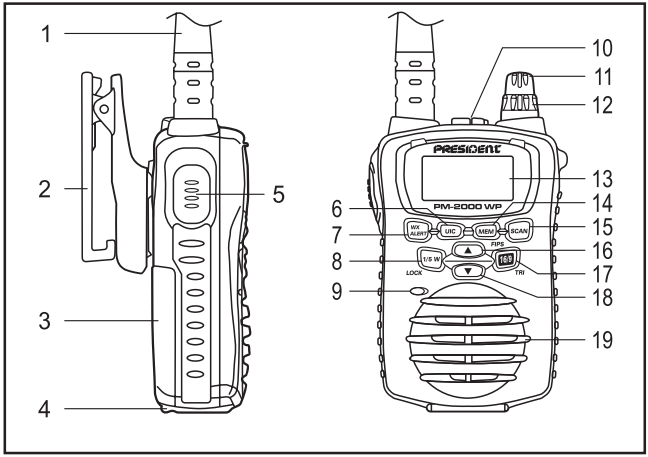
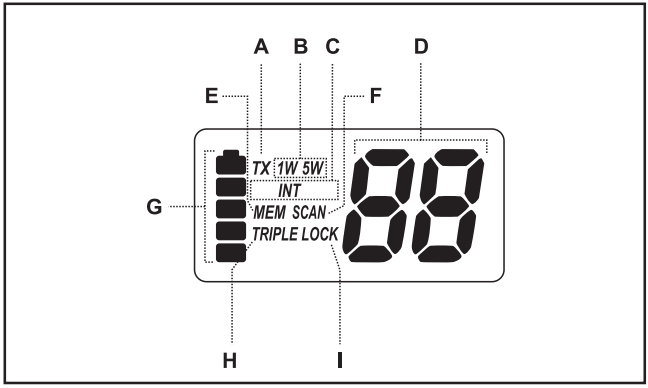
Controls and Indications



1. Antenna
2. Belt Clip
3. Battery
4. Battery Release Clip
5. PTT (Push to Talk) Key
6. **UIC** Button: non active
7. **WX/ALERT** Button: non active
8. TX Power / Lock Button (**1/5W – LOCK**)
9. Microphone
10. Speaker MIC (Optional) Jack
11. Volume / Power Knob
12. Squelch Knob
13. LCD Display
14. Memory / FIPS Button (**MEM – FIPS**)
15. Scan Button (**SCAN**)
16. Channel Up Button ▲
17. 16/9 / Triple Watch Button (**16/9 – TRI**)
18. Channel Down Button ▼
19. Speaker

LCD Display



A Transmit Indicator
B TX Power Indicator
C International channels Indicator
D Channel Number Display
E Memory Indicator
F Scan Indicator
G Battery Indicator
H Triple Watch Indicator
I Key Lock Indicator

Warning!

- The PM-2000 WP is waterproof only when both the antenna and the battery are properly attached.
- Do not operate the transmitter of any radio equipment unless all the Radio Frequency (RF) connectors are secure and any open connectors are properly terminated.
- Do not operate the transmitter of any radio equipment near electrical blasting caps or in an explosive atmosphere.
- Do not let children operate any transmitter-equipped radio equipment without proper supervision.
- Have your radio equipment serviced by a qualified technician.

Lithium Ion Battery Pack Warning

- This equipment contains a Lithium Ion Battery Pack.
- The Lithium Ion Battery Pack contained in this equipment may explode if disposed of in a fire.
- Do not short-circuit the Battery Pack.
- Do not charge the Lithium Ion Battery Pack used in this equipment in any charger other than the one designed to charge this Battery Pack. Using another charger may damage the Battery Pack or cause the Battery Pack to explode.
- Lithium Ion batteries must be disposed of properly.

Introduction

The PM-2000 WP is a waterproof, portable two-way VHF transceiver. It is compact, lightweight, rugged and fits easily in your hand. This handheld VHF marine radio will give you consistent, outstanding performance in virtually all conditions and situations.
To ensure that you get the most from the PM-2000 WP's features, please read this operating guide carefully before using the unit.

Features

- Waterproof (meets JIS7 waterproof specifications)
- Triple Watch Mode
- Priority Channel Startup (Channel 16)
- Programmable Memory
- One-Touch Channel 16/9
- Memory Scan
- International Channels
- Table-Top Drop-In Charger (can also be wall-mounted)
- Rechargeable Lithium Ion Battery Pack
- Battery Save Operation
- Key Lock
- Back-Lit Keys and Display
- Belt Clip
- Wrist Strap
- TX Power 1W/5W

Technical Support and Service

If your marine radio does not perform properly, follow the troubleshooting tips in the back of this operating guide. Unauthorized adjustment will void the warranty.

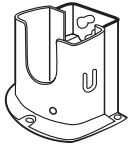
Included in your Package

PM-2000 WP

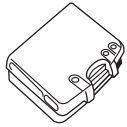
AC Adapter

Antenna

DC Adapter



Drop-in Charger

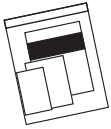


Lithium Battery

Beltclip

Wrist Strap

Mounting Screws



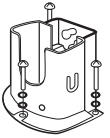
Owner's Manual

If any of these items are missing from the box, contact your Dealer.

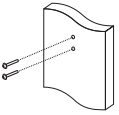
Mounting the Drop-in Charger

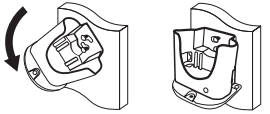
1. Mount the drop-in charger to either a counter or wall.

To counter:
Attach the drop-in charger using the mounting screws and washers as follows.

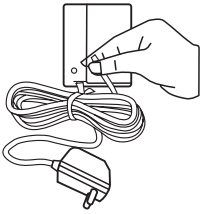


To wall:
Insert the two mounting screws into the wall keeping the same space as the holes on the charger.
Place the charger with the screws through the larger holes then turn the charger.





2. Plug one end of the AC adapter into the wall outlet and the other end into the drop-in charger.
When you mount the drop-in charger on your boat, use the DC adapter instead.



Attaching the Antenna

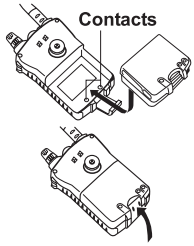
Attach the antenna to the PM-2000 WP.

Be sure the antenna is firmly seated.

Attaching the Battery Pack

1. Place the battery pack onto the back of the radio. It will only fit in one way.

2. Snap the battery release clip until it clicks. Be sure the battery pack fits tightly against the PM-2000 WP's body.



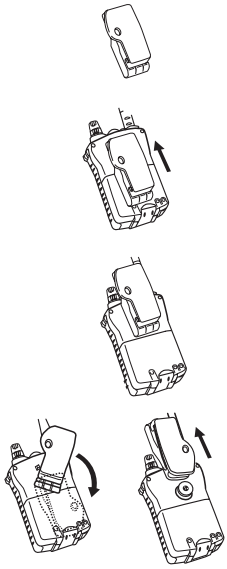
Attaching the Beltclip

1. Hold the beltclip in the direction as follows.

2. Apply it to the hanger piece on the back of the radio. Then slid it up.

3. You will hear a click. The beltclip is firmly attached.

4. To take the beltclip off the radio, turn it and slid it up.

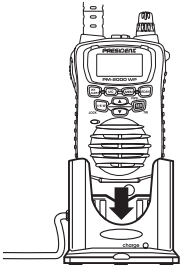


Charging the Battery Pack

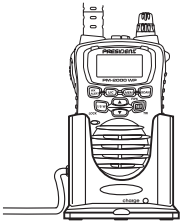
Your marine radio is powered by a specially designed Lithium Ion battery pack.

- Before operating the PM-2000 WP, charge the Lithium Ion battery pack for 6 hours without interruption in the drop-in charger.

1. Place the PM-2000 WP in the drop-in charger.



2. The red LED illuminates and stays On.



- The charger won't overcharge the battery pack. When charging is completed, the charge LED is no longer illuminated.
- **Do not transmit when the PM-2000 WP is in the drop-in charger!**
- You can monitor incoming calls while the PM-2000 WP is in the drop-in charger.

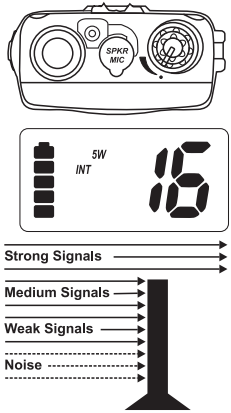
Operation

- See “controls and Indicators” (page 40) for button, knob, and key positions.
- When you turn On your PM-2000 WP, it is automatically tuned to channel 16, frequency for distress, safety, and calling.
- When you press any key (except PTT), a short tone sounds.

Turning On the Unit and Setting Squelch

1. Before you turn On the unit, turn the Squelch knob fully counterclockwise.

2. Then, turn On the unit by turning the Volume / Power knob clockwise until you hear a hissing sound. **3.** Turn the Squelch knob clockwise, just until Strong Signals the hissing sound stops. Use the knob to adjust to the desired squelch level. Think of the squelch control as a frequency gate which controls access to weak or strong signals depending on its setting.

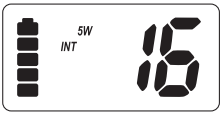


- To listen to a weak or distant station, turn the knob counterclockwise. If reception is poor, turn it clockwise to cut out weak transmissions.
- If the squelch control is adjusted so you continually hear a hissing sound, the unit will not scan properly.

4. To turn Off the unit, turn the Volume / Power knob counterclockwise until it clicks.

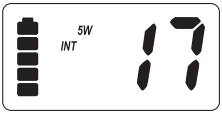
Selecting a Channel

1. Turn On your PM-2000 WP.



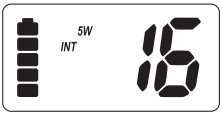
UP

2 . To select a higher channel, press the ▲ button.



DOWN

3. To select a lower channel, press the ▼ button.

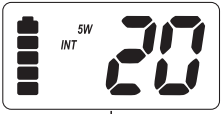


- To change the channel continuously, press and hold the ▲ or ▼ button for more than 1 second.

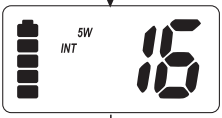
One-touch Channel 16/9 – TRI

Example: While you are monitoring channel 20, you want to check channel 16 or channel 9.

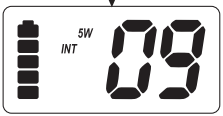
1. You are now on channel 20.



2. To monitor channel 16, press the **16/9 – TRI** button.



3. To monitor channel 9, press the **16/9 – TRI** button again.



4. To return to channel 20, press the **16/9 – TRI** button again.

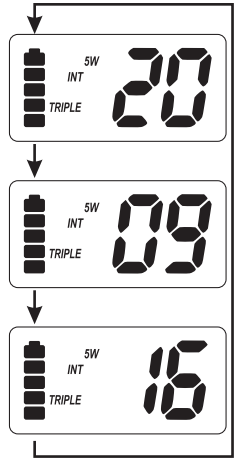
Triple Watch

Triple Watch mode monitors channels 16 and 9 for a signal while you listen to the currently selected channel. The marine radio checks channel 16 and 9 for activity every 2 seconds.

1. To select Triple Watch mode, press and hold the **16/9 – TRI** button for 1.5 seconds. A double confirmation tone sounds.

2. To exit from Triple Watch, press and hold **16/9 – TRI** for 1.5 seconds. A double confirmation tone sounds.

- While in Triple Watch mode, you can change the currently selected channel using the s or t button.
- A momentary press of the **16/9 – TRI** button interrupts Triple Watch mode and remains on 16, or on channel 9 if you press once more. To return to the previous mode, simply press the button again.

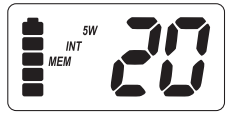


Programming a Channel into Memory

Before using the scanning feature, you have to program channels into memory.

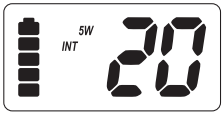
1. Select the channel to enter into memory by pressing the ▲ or ▼ button.

2. Press the **MEM** button to store the channel. *"MEM"* appears on the display.



Deleting a Channel from Memory

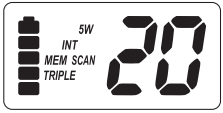
1. Select the channel to delete from memory by pressing the ▲ or ▼ button.



2. Press the **MEM** button. *"MEM"* disappears from the display.

Scanning

1. To begin scanning the programmed channels, press the **SCAN** button. *"SCAN"* and *"TRIPLE"* appear on the display.

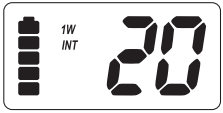


2. To stop scanning, press the **SCAN** button once more. *"SCAN"* and *"TRIPLE"* disappear from the display.

- Scanning starts from the lowest to highest channel and stops when it finds an active channel. It remains on that channel until the transmission ends, then resumes scanning after a 3 second delay period.
- When in the scan mode, the unit automatically activates the Triple Watch feature. To deactivate Triple Watch from the scanning mode, press and hold the **16/9 – TRI** button for 2 seconds. *"TRIPLE"* disappears from the display.

Transmitting

1. Transmission power can be set to either 5W or 1W. Press the **1/5W – LOCK** button to make the change, then the *"5W"* or the *"1W"* indicator on the display changes accordingly.



2. To transmit, press and hold the **PTT** key. *"TX"* appears on the display.

3. To return to receive, release the *"MEM"* key. *"TX"* disappears from the display.

- If the **PTT** key is pressed for more than 5 minutes, *"TX"* starts blinking and the transmission ends. The TX time out tone will sound until the **PTT** key is released.
- If the battery indicator drops to the 1-mark level on the display, when the **PTT** key is pressed, the radio will not transmit and the *"TX"* icon starts blinking (refer to the description of the Battery Indicator).

Lighted Keys and Display

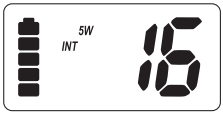
To light the display, press any key excluding the **PTT** key.

- If you press any button other than the PTT key while the display and keypad are illuminated, it remains illuminated for another 5 seconds.

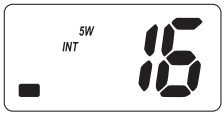
Battery Indicator

When the unit is On, battery power is always indicated on the display.

When the battery is fully charged, the battery indicator appears as follows:



When the battery is nearly discharged, the battery indicator appears as follows:



- When the battery indicator drops to the 1-mark level on the display, the radio will receive but will not transmit.

Key Lock

To prevent accidental entries, you can lock the keypad.

1. Press and hold the **1/5W – LOCK** key for 1.5 seconds. The unit will beep two timesto confirm that the keypad is locked with *"LOCK"* indication on the display.

2. To unlock the keypad, press and hold the **1/5W – LOCK** key again for 1.5 seconds. The unit will beep twice to confirm that the keypad is unlocked, and *"LOCK"* will disappear.

- You can also unlock the keypad by turning the radio Off and then On again.

Troubleshooting

- **Will not transmit on 5 watt range but will transmit on the 1 watt range**
  Cause: Low voltage
  ⇒Recharge or replace the batteries
- **Will not transmit while on the charger**
  Cause: Low voltage
  ⇒The unit is not designed to transmit while on the charger. The charger does not supply enough power for transmitting
- **Battery will not charge**
  Cause: Charger inoperative
  ⇒Replace charger. Damage to the charger can be a result of keying up the radio while on the charger

Warranty

This transceiver has a 2 YEARS warranty for materials and workmanship in its country of purchase against any manufacturing defect recognized by our technical department. It is recommended to read carefully following conditions and to respect them in order not to loose it.

- Any repair under warranty will be free of charge and the transport costs for sending back will be on charge of our company.
- A proof of purchase must compulsorily be added to the transceiver in need of repair.
- Don't install your transceiver without having read this instructions manual.
- Our technical department won't send nor exchange any spare parts as part of warranty.

Are not covered

- The battery pack.
- Damages caused by accident , shock , inadequate packing or the use of accessories that are not in conformity.
- Interventions that modified the conformity features, repairs or modifications done by third parties which are not agreed by our company.
- Any opening of the housing cancels the warranty.

Specifications

General		
Channels	Transmit	54 International
	Receive	55 International
Frequency Control		PLL
Frequency Tol.	Transmit	± 1 PPM (à 25 ° C)
	Receive	± 1 PPM (à 25° C)
Oper. Temp.		-20°C à + 55°C
Antenna		Flexible Whip
Microphone		Built-in Electret type
Display		Liquid Crystal Display
Speaker		8 ohms, 1 Watt
Power Source		Rechargeable Lithium Ion Battery Pack 7.4V 850 mAh
Size (without antenna)		97 (H) x 62 (W) x 33 (D) mm
Weight (w/battery & antenna)		8.8 oz (250g)
Transmitter		
Frequency Range		156,050 MHz à 157,425 MHz
Power Output		1.0 W & 5 W
Spurious Emissions		-38 dBm (5W)
Current Drain		700mA (1W), 1500mA (5W)
Receiver		
Receiver Type		Double Conversion Super Heterodyne Phase
Frequency Range		156,300 MHz à 162,025 MHz
Sensitivity		0,35 µV pour 12dB SINAD
Squelch Sensitivity		Threshold 0,25 µV
Audio		± 6 dB 500 à 2000 Hz
Frequency Response		
Adjacent Channel		70 dB @ ± 25 kHz
Audio Output Power		0.6 W @ 10 % THD
Current Drain	Squelched	40 mA
	Max. audio	170 mA

International Marine VHF Channel Chart

Chl	Transmitter Frequency	Receiver Frequency	Mode S/D	Ship To Ship	Ship To Shore
1	156.050	160.650	D	YES	YES
2	156.100	160.700	D	YES	YES
3	156.150	160.750	D	YES	YES
4	156.200	160.800	D	YES	YES
5	156.250	160.850	D	YES	YES
6	156.300	156.300	S	YES	NO
7	156.350	160.950	D	YES	YES
8	156.400	156.400	S	YES	NO
9	156.450	156.450	S	YES	YES
10	156.500	156.500	S	YES	YES
11	156.550	156.550	S	YES	YES
12	156.600	156.600	S	NO	YES
13	156.650	156.650	S	YES	YES
14	156.700	156.700	S	YES	YES
15	156.750	156.750	S	YES	YES
16	156.800	156.800	S	YES	YES
17	156.850	156.850	S	YES	YES
18	156.900	161.500	D	YES	YES
19	156.950	161.550	D	NO	YES
20	157.000	161.600	D	NO	YES
21	157.050	161.650	D	NO	YES
22	157.100	161.700	D	NO	YES
23	157.150	161.750	D	NO	YES
24	157.200	161.800	D		
25	157.250	161.850	D		
26	157.300	161.900	D		
27	157.350	161.950	D		
28	157.400	162.000	D		
60	156.025	160.625	D		
61	156.075	160.675	D		
62	156.125	160.725	D		
63	156.175	160.775	D		
64	156.225	160.825	D		
65	156.275	160.875	D	YES	YES
66	156.325	160.925	D	YES	YES
67	156.375	156.375	S	YES	NO
68	156.425	156.425	S	YES	YES
69	156.475	156.475	S	YES	YES
70	RX only	156.525	S	YES	NO
71	156.575	156.575	S	YES	YES
72	156.625	156.625	S	YES	NO
73	156.675	156.675	S	YES	YES
74	156.725	156.725	S	YES	YES
77	156.875	156.875	S	YES	NO
78	156.925	161.525	D	YES	YES
79	156.975	161.575	D	YES	YES
80	157.025	161.625	D	YES	YES
81	157.075	161.675	D	YES	YES
82	157.125	161.725	D	YES	YES
83	157.175	161.775	D	YES	YES
84	157.225	161.825	D	YES	YES
85	157.275	161.875	D	NO	YES
86	157.325	161.925	D	NO	YES
87	157.375	161.975	D	NO	YES
88	157.425	162.025	D	NO	NO

CERTIFICATE OF CONFORMITY

We, GROUPE PRESIDENT ELECTRONICS, Route de Sète, BP 100 – 34540 Balaruc – FRANCE,

Declare, on our own responsibility that the Marine VHF radio-communication transceiver,

Brand: **PRESIDENT**
Model: **PM-2000 WP**
Manufactured in China

is in conformity with the essential requirements of the Directive 1999/5/CE (Article 3) adapted to the national law, as well as with the following European Standards:

EN 60215 / EN 301 178 / EN 60945

Balaruc, the **07/01/2003**

Jean-Gilbert MULLER
General Manager

Groupe PRESIDENT ELECTRONICS

Siège Social / Head Office France – Route de Sète
BP 100 – 34540 BALARUC
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E-mail : groupe@president-electronics.com

N°1 CB PRESIDENT

CE 0341 !

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